ELSEVIER Stochastic Processes and their Applications 69 (1997) 289

stochastic processes and their applications

Erratum to "Functional limit theorems for random multilinear forms"

[Stochastic Processes Appl. 53(1). (1994), 175–191]

A. Basalykas

Institute of Mathematics and Informatics, Akademijos 4, 2600, Vilnius, Lithuania

On p. 179 (line 9 from below (fr. b.)) replace $Z_{i_1 \cdots i_k}$ with $Z_{i_1} \ldots Z_{i_k}$.

On p. 183 (lines 11–12) $\alpha^{(s)} = \{1 \leqslant i_1^{(s)} \neq \cdots \neq i_{k-1}^{(s)} \leqslant j-1\}$ should be replaced with $\alpha^{(s)} = \{1 \leqslant i_1^{(s)} \neq \cdots \neq i_r^{(s)} \leqslant j-1,\ 1 \leqslant r \leqslant k-1\}$. Note that the lengths of the various multi-indices may be different.

On p. 184:

(1) On lines 1 and 4 move $\max_{\alpha^{(1)},\alpha^{(2)},\alpha^{(3)}}$ before $\sum_{j=1}^{n}$.

(2) On lines 2 and 6 replace $\sum_{\alpha^{(3)}}(\sum_{\alpha^{(1)}} \max_j |a_{\alpha^{(1)}\alpha^{(3)}j}|)^{1/2} (\sum_{\alpha^{(2)}} \max_j |a_{\alpha^{(2)}\alpha^{(3)}j}|)^{1/2}$ with $\max_j \sum_{\alpha^{(3)}} \prod_{i=1}^{2} (\sum_{\alpha^{(i)}} |a_{\alpha^{(i)}\alpha^{(3)}j}|)^{1/2}$.

(3) On line 9 replace $(\sum_j^n \max_{\alpha^{(1)},\alpha^{(3)}} |a_{\alpha^{(1)}\alpha^{(3)}j}|)^{1/2} (\sum_{j=1}^{n} \max_{\alpha^{(2)},\alpha^{(3)}} |a_{\alpha^{(2)}\alpha^{(3)}j}|)^{1/2}$ with $\max_{\alpha^{(1)},\alpha^{(2)},\alpha^{(3)}} \prod_{i=1}^{2} (\sum_j |a_{\alpha^{(i)}\alpha^{(3)}j}|)^{1/2}$.

(4) On line 8 (fr. b.) move $\max_{\alpha^{(4)}}$ and $\max_{\alpha^{(5)}}$ before $\sum_{j=1}^{n}$.

(5) On lines 5–7 (fr. b.) replace $\sum_{\alpha^{(i)}} \max_j |a_{\alpha^{(i)}j}|$ and $\sum_j \max_{\alpha^{(i)}} |a_{\alpha^{(i)}j}|$ with $\max_j \sum_{\alpha^{(i)}} |a_{\alpha^{(i)}j}|$ and $\max_{\alpha^{(i)}} \sum_j |a_{\alpha^{(i)}j}|$, $i = 4, 5$.

On p. 175 (line 9 fr.b.) replace $\sum_{1 \leqslant i_1 \neq \cdots \neq i_k \leqslant n} a^2_{i_k \cdots i_k}$ with $k! \sum_{1 \leqslant i_1 \neq \cdots \neq i_k \leqslant n} a^2_{i_k \cdots i_k}$. Consequently we have to write $k!$ before $\sum_{1 \leqslant i_1 \neq \cdots \neq i_k \leqslant [nt]}$ in pp. 177 (formula (1.3)), 179 (lines 9, 10), 182 (6 line fr. b.), 183 (lines 2, 3), 185 (line 2 fr. b.), 186 (4 line fr. b.) and 188 (6 line fr. b.).

0304-4149/97/$17.00
PII S0304-4149(97)00039-2